

# MANUFACTURING EXTENSION PARTNERSHIP

## Success Stories from the Field

### NaviTek Group, Inc

#### Northwest Pennsylvania Industrial Resource Center

#### NaviTek Group Improves Manufacturing Processes with Lean

**Client Profile:**

NaviTek Group, Inc., provides product & process design engineering services, precision component machining, prototype development, finished goods manufacturing, and supply chain management for the transportation, medical, electronic, consumer, energy and aerospace industries. The company employs 8 people at its facility in Erie, Pennsylvania.

**Situation:**

NaviTek had set up manufacturing operations for a new medical device and turned to the Northwest Pennsylvania Industrial Resource Center (NWIRC), a NIST MEP network affiliate, for help with Lean manufacturing.

**Solution:**

NWIRC provided training on Lean manufacturing principles and helped NaviTek design their manufacturing processes. NWIRC worked with NaviTek's management to layout an efficient method to assemble the new medical device and then led the company through a plant layout and design project based on Lean principles. NWIRC implemented Lean's 3P (Production Preparation Process) tool and facilitated the Value Stream Mapping (VSM) process with company employees. By creating a current state map and a more efficient, cost effective future state map, the company was able to streamline operations before going into production.

**Results:**

- \* Reduced work in process by 70 percent.
- \* Reduced manufacturing time by 78 percent.
- \* Improved productivity.
- \* Anticipated creation of 40 new jobs.

**Testimonial:**

"As we were building our manufacturing team, the NWIRC helped us build our manufacturing processes. Now that the team is assembled, we continue to practice the Lean principles taught by the IRC. Their involvement was invaluable!"

Harvey E. Downey, President